What Is Claimed Is

1. An electromagnetic lock comprising: an electromagnet assembly comprising: an electromagnet and an electromagnet holder including 5 a component of a secondary locking system; an armature assembly comprising: an armature; an armature holder including a second component of the secondary 10 locking system; a pivotal mounting for the armature holder permitting pivotal movement of the armature from a first position to a second position; 15 spring means biasing the armature holder toward the first position; and means on the armature holder engagable with the magnet holder for moving the armature holder to its second 20 position whereby the armature contacts the electromagnet when the armature and electromagnet are in alignment; the components of the secondary

locking system being positioned to become operatively engaged when sufficient shear force is applied to cause the armature to move across the face of the electromagnet while the latter is energized.

2. The electromagnetic lock of Claim 1 further comprising

25

5

means on one of said assemblies for preventing operational engagement of said secondary locking components when the shear forces acting across the face of the electromagnet to defeat the lock do not exceed a predetermined amount and which permits engagement of the secondary locking components when the shear forces exceed the predetermined amount.

3. The electromagnetic lock of Claim 1 wherein:

said secondary locking system component on said electromagnet assembly is a strike, and said secondary locking system component on said armature assembly is a bolt.

4.	The electromagnetic lock of Claim 2 wherein:
	said secondary locking system component on said electromagnet assembly is a
	strike, and said secondary locking system component on said armature assembly is
	a bolt.

- 5. The electromagnetic lock of Claim 2 wherein:
 the means for preventing and permitting engagement of said secondary locking components is a frangible member.
- 6. The electromagnetic lock of Claim 2 wherein:
 the means for preventing and permitting engagement of said secondary locking components is a deformable member.
- 7. The electromagnetic lock of Claim 6 wherein: said deformable member is elastic.

8. The electromagnetic lock of Claim 2 wherein:
the means for preventing and permitting engagement of said secondary locking
components is a spring biased plunger positioned in said electromagnet assembly
in the vicinity of the component of the secondary locking system on the
electromagnet assembly.